GRUMMAN plane news

Vol. 40, No. 20, November 20, 1981, Bethpage, N.Y. 11714

Shuttle launch is outasight but not for E-2C Hawkeye - pg. 5

We win! LTV punches out - pg. 3

It's up, up and away for mosaic sensor

There's no such thing as overnight success. And for the people who work at Grumman's Irvine, California, facility, one of the reasons their Air Force Space Division contract is especially satisfying is that it was a long time in the works.

The technology used in the project has been under development and refinement since 1974 — and bigger and better things may be in store.

Under a $3.5 million contract, Irvine will develop, test, and build a Mosaic Focal Plane Sensor to be flown on the Air Force Balloon Altitude Mosaic Measurements (BAMM IIA) program. Delivery is scheduled for January 1983. In April of that year, the Grumman built unit will be carried aloft by a helium balloon to obtain measurements of the earth's infrared background, and to demonstrate that the mosaic starer detection system works.

Rapid advances in rocket propulsion and in the delivery of sophisticated missiles and warheads have made faster, more sensitive detection critical to the nation's defense. Mosaic sensors fill this requirement.

Down the pike

Further down the line, perhaps as early as 1986, the Air Force will enter full scale development using mosaic sensor technology in its follow-on Advanced Warning Satellite System. Grumman's role in BAMM IIA enhances its position for competing for this production contract, worth approximately $2.2 billion.

How good a shot does Grumman have at that contract?

"If I didn't think our chances were excellent, we wouldn't be spending this much time, money, and energy on it," says Alexander Alexandrovich, vice president-Military Space Programs. "We've got the smarts, the technology, and the dedication. We're going after it."

Finding the right partner will be an important factor in winning the bid. "The company we team with would build the satellite itself," says Alexandrovich. "We're interested only in the payload, which is the mosaic sensor portion. That's our area of expertise."

What are mosaics? BAMM IIA program manager Dick Fischetto explains. "Unlike conventional surveillance systems that look over or scan an area, mosaic sensors can stare at a scene and detect movement or change. A staring mosaic infrared system for space surveillance could be compared to the staring eye of a frog," says Fischetto.

Frog eyes

"A mosaic of thousands of tiny receptors in the frog's eye can detect and track an object in flight, and transmit the information to the frog's data processing system, its brain. The brain sends that information to the frog's intercept system, its tongue — which quickly lashes out and catches the insect. All the while, it continues to watch for other prey."

While Grumman is certainly not the only company working on mosaic sensor technology, the Grumman approach — the Z-axis concept — is unique, says Fischetto.

Three dimensions

"We're using three dimensions — the X, Y, and Z axes — while everyone else uses two. We can package more electronics in each focal plane. It also eliminates the problem of gaps or blind spots in the field of view, and makes repair and rework a lot easier."

Backed by the resources of Grumman Aerospace, the Irvine facility is maintaining a reputation for quick response and quality products. Says Fischetto, "We've got the edge."

An idea takes off. *The Grumman team at Irvine, California, will develop, test and build a Mosaic Focal Plane Sensor for the Air Force Space Division. The Grumman unit will be carried aloft by a helium balloon in April 1983 to obtain measurements of the earth's infrared background and to demonstrate that the mosaic starer detection system works.*

calendar

Alcoholics Anonymous: every Mon., 4:30 p.m., Pl. 15, conference room C, closed meetings; Personnel Relations, Ext. 3521; Calverton: Chemical Dependency Discussion Group, every Mon., 4-5 p.m., Hdg. Bldg.; open meeting. C. Robb, Ext. 117-6526

Amateur Radio Club: every 3rd Wednesday of the month. Plant 5 conference room BD-1, 5 p.m. D. Townes, Ext. 2889

Coin Club: (Calverton) every Fri., noon lunch, Pl. 6 conference room. W. Kondratowicz, Ext 6680

Dance Club: every Wed., 5-8 p.m., Recreation bldg. Guests welcome. G. Cupolo, Ext. 4155

Fencing Club: every Wed., 4:30-6:00 p.m., Recreation bldg. Free instructions, guests welcome. J. Hayne, Ext. 5556/P. Chaldaris, Ext. 3638

Folk Dancer's Club: (Calverton) every Thurs., 2nd floor, Pl. 6, lunchtime, Grumman employees only. J. Hamelman, Ext. 117-6835

Karate Club: every Tues. and Thurs., Recreation bldg., beginners 4:30 to 5:30 p.m., advanced 5:30 to 7:00 p.m., black belt instructors, physical and mental development; guests welcome. T. Ortiz, Ext. 4764

Model Railroad Society: every Wed., 7 p.m., Recreation bldg. Regular meeting. Guests welcome. R. Muntz, Ext. 8869

Motorcycle Club: Wed., Dec. 16, Recreation bldg., 5 p.m. General meeting. R. Coutieri, Ext. 4828

Photography Club: Mon., Nov. 23, Recreation bldg., 5 p.m. Guests welcome. D. Burdish, Ext. 9582

Tap Dancing Club: every Monday, Recreation bldg., 4:45 to 5:30. Beginners and guests welcome. P. Tropea, Ext. 8091

Roller Skating Club: every Thurs., Levittown Skating Rink, 7:30 to 11 p.m. Lessons 6:30 to 7:30 p.m. Guests welcome. H. Denen, Ext. 2291

Stamp Club: First three Wed. of every month; 5-6 p.m., Pl. 35 cafeteria; trading sessions and discussions. S. Hoops, Ext. 3926/8586

Table Tennis: every Thurs., Pl. 24, 5 p.m. and every Fri., Recreation bldg., 5 p.m., also every lunchtime. Beginners and guests welcome. B. Fabricant, Ext. 9307

Givers win prizes

There are several events still to be reported, though the 1981 United Way campaign has officially ended. On Friday, November 13, three prize drawings were held. The names of the 63 winners will be listed in the November 30 issue of Plane News, along with campaign results.

The Early Improvement drawing was held on Friday, October 16. The big winner in that one was Ed Unser of Plant 2.

"I was on a vacation day that day," he recalls. "When I came back to work on Monday they called me in to the office and told me I had won in the United Way drawing."

"I thought they were putting me on. I was so surprised, I didn't know what to do or say and I just started to walk out of the office!" But he took with him the top prize, a $500 shopping spree.

Unser has been a United Way contributor since he joined Grumman in 1974. "Sure it's worthwhile, just from the fact that they have a large sum of money in a pool and the people who know where it's going."

The week Unser took home the United Way prize was a big one for him. He also got a $535 check for a Project Sterling suggestion.

The other 41 prize winners in the Early Improvement drawing are:

Microwave oven: Harold Vetter (2), Ralph Miccio (2), Stephen Haizlip (6), Henry Hrbek (35); **Color T.V.:** George Souhrada (5), Herbert Hyatt (3), E. Bughman (GAI), George Norris (2), Amza McCarthy (3); **$250 Shopping Spree:** Robert Schacket (43), R. Neufer (GAI), Lois McIntyre (111), Stanley Wiercinski (8); **Stereo:** R. Hall (88); **100 Gallons of Gas:** Charles Williams (6), C. DePierro (GAI), K. Cairns (88), Joseph Isenstadt (39); **Indoor/Outdoor T.V.:** Mildred Staniewicz (6), Harold Cherveny (12), A. Follette (88), Eleanor Franzese (35), Sherman Wingfield (2); **Bicycle:** Francis Loupe (77); Thomas Mugno (7), Evelyn Arundel (18), Joseph Welsch (30); **Instant camera:** Ernest Wilson (5), Joseph DeLorenzo (2); **Clock Radio:** Warren Hunt (3), S. Matos (GAI), Thomas McDermott (2), Gerald Saulter (40); **Calculator:** Mary Reedy (30), Therese Hauser (15), Lucille Rasweiler (111), Lee Stacey (2); **Instamatic Camera:** Jack Thornton (1), M. DeMelo (GAI), John Sapieta (14), S. Fernandes (GAI).

GRUMMAN plane news

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LTV cries 'Uncle!'

Grummanites heaved a sigh of relief on Monday, November 16, when word came from Dallas that LTV had withdrawn its tender offer for Grumman stock.

"We're very pleased to hear the news, and we appreciate LTV's decision not to continue this struggle," said Jack Bierwirth. "This whole affair has demonstrated the way Grumman people, our shareholders, and our neighbors in the communities where we work and live, feel about this company."

Said Joe Gavin, "The announcement is obviously a source of great relief. This has been a very trying period, but we've proven that if we stick together we can accomplish a great deal. Now that it's behind us, we must continue with our responsibilities of delivering planes and buses and all the other products we're involved with."

Most Long Island Grummanites got the word from George Skurla via the public address system at about 1:30 p.m.

***Plenty of John Hancocks.** Over 18,000 Grummanites signed a petition that supports the pension plan trustees.*

***Flying high.** During the Navy's flight test evaluation of the Super Tomcat equipped with new GE engines, Lt. Cdr. Bill Linder (L) and Lt. Cdr. Jack Schultz review flight profile. Designed to demonstrate aircraft/engine operability and performance, this limited development program got high ratings from both program people and test pilots. Grumman's final written report to the Navy is due this month.*

"Victory is ours!" said Skurla. "We could not have defended ourselves successfully without everyone's concern and cooperation. Thank you all for the tremendous demonstration of solidarity over these past two months.

"You have truly shown the world something unique in American industry. Now we must press on with our commitment to build a stronger Grumman."

The announcement ended the company's seven-week battle to remain independent.

LTV was expected to throw in the towel after the U.S. Court of Appeals for the Second Circuit ruled in Grumman's favor on Friday, November 13. The three-judge panel decided unanimously that a takeover by LTV would probably violate Federal antitrust laws; they ruled to uphold the preliminary injunction issued on Oct. 14 by Judge Jacob Mishler prohibiting LTV from soliciting or purchasing any Grumman shares.

The Court of Appeals decision proved to be the fatal blow for the Dallas company's efforts.

"I'm delighted," said Ed Budney of Plant 2. "I've been here for 30 years—and that's too many years to see it all go down the drain."

"I'm glad we won—this means our jobs, our security," said Rudy Levine, also of Plant 2. "And anyway, I don't know how to ride a horse!"

Although the announcement was the good news the company had hoped for, it does not clear up all of Grumman's problems related to the takeover attempt. The company must still deal with continuing lawsuits from the Securities and Exchange Commission and the Department of Labor.

Bierwirth noted that a takeover attempt is always "extremely disruptive" to the target company—and that Grumman is no exception.

"The bear has gotten into the living room," he said, "and now we've got to clean up the mess.

"I think that there's a realization at Grumman that this company belongs to the people and their communities—but that it can be taken away from us unless we fight for it."

letters

Dear Grumman people,

The USAF Museum is currently preparing a display devoted to the military service of President Ronald Reagan in the USAAF during WW II. The basis for the display will be several items of memorabilia that President Reagan donated to us.

While attempting to locate relevant still photos of Captain Reagan of the WW II era, we found that few exist in official repositories. Even though he loaned to us the few photos he possesses, we still need additional ones. We understand that it was not uncommon for service men to have their photos taken with Captain Reagan; we would like to borrow to copy any such personal photos that anyone whould loan to us.

We would be grateful to any readers who have photos relating to these topics. (Please indicate whether the photos are a donation or whether you prefer that we make copy prints and return your originals.)

Charles G. Worman
Chief, Research Division
USAF Museum
Wright-Patterson AFB,
Ohio 45433

Snow emergency numbers

Before you start shovelling your driveway this winter, do yourself a favor and check with Grumman to see if the plants have been closed.

The phone number to call if you work in the Bethpage, Melville, Great River and Bohemia complexes is **(516) 349-9400.**

If you work at Calverton, call **(516) 369-2266.**

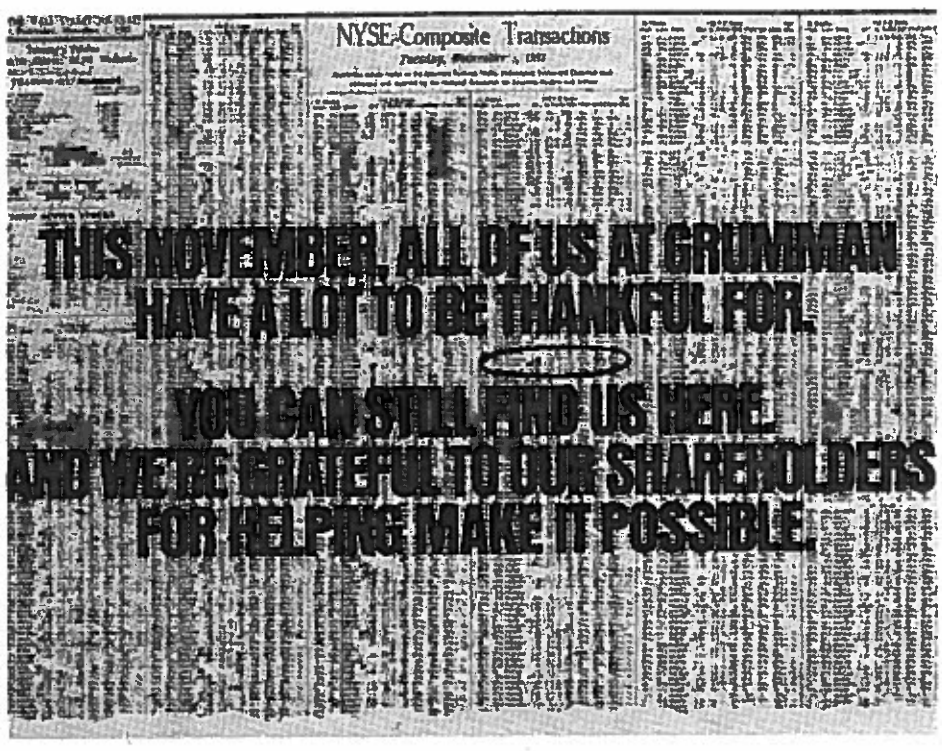
Both these telephone numbers will be operating from 5 a.m. on.

The following local radio stations will broadcast plant closing information:

WGBB-1240 AM - Freeport -24 hours
WBLI-106 FM - Babylon -24 hours
WBAB-102.3 FM - Babylon -24 hours
WGLI-1290 AM - Babylon -starting 5 a.m.
WGSM-740 AM - Huntington -starting 7 a.m.
WALK-1370 AM - Patchogue -starting 5 a.m.
WALK-97.5 FM - Patchogue -starting 5 a.m.

We won!

Thumbs up. *'Victory is ours,' George Skurla announced over the public address system and Grummanites throughout the company were relieved to hear that LTV dropped its bid to takeover Grumman. Here, co-workers in Plant 2 take time out to pose for posterity.*


NYSE-Composite Transactions
THIS NOVEMBER, ALL OF US AT GRUMMAN
HAVE A LOT TO BE THANKFUL FOR.
YOU CAN STILL FIND US HERE.
AND WE'RE GRATEFUL TO OUR SHAREHOLDERS
FOR HELPING MAKE IT POSSIBLE.

Thanks a lot. *This Grumman advertisement ran in* The Wall Street Journal *and* The New York Times, *a day after LTV withdrew its tender offer for Grumman shares.*

The IRS wants you

The Internal Revenue Service is looking for a few good citizens for its Volunteer Income Tax Assistance (VITA) Program.

VITA is designed to help lower income, elderly, handicapped, and non-English speaking people in the preparation of their tax returns.

Interested volunteers will be trained by the IRS. The three-to-five day course includes testing. In order to provide accurate service, all participants must attain a minimal acceptable score on the test.

VITA training materials and instruction are provided free by the IRS. Training is conducted at a time and location convenient to volunteers and instructors. Generally, these sessions are offered in late December through January each year.

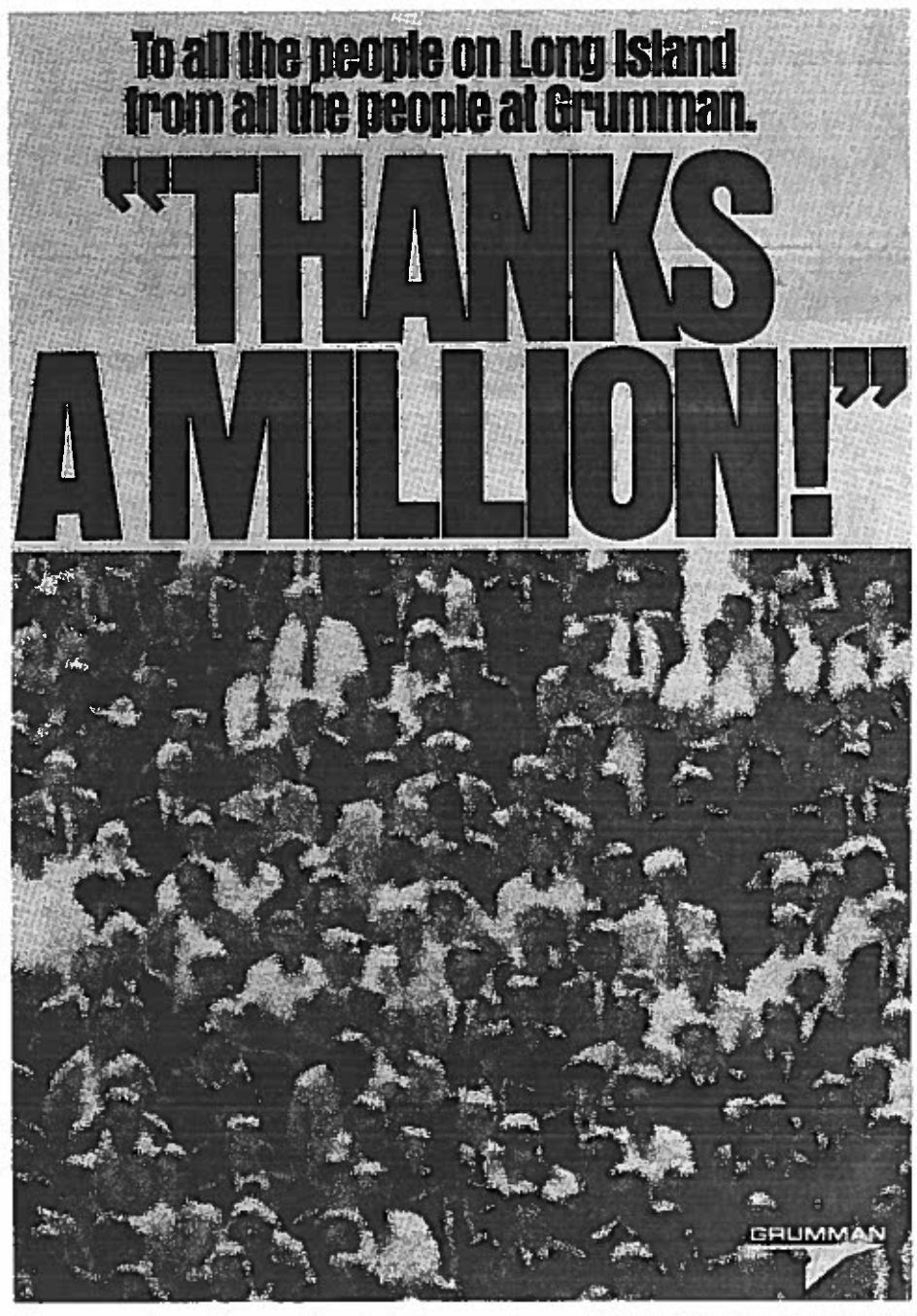
For more information, call the following VITA IRS coordinators: New York — (212) 330-7673; Florida — (904) 791-2989; Georgia — (404) 221-4501; Maryland — (301) 962-2222; and California — (213) 572-7814.

obituaries

CHARLES BIVONA of Software Support, Pl. 40, died Oct. 16 at the age of 52. He had been with the company since 1972 and resided at 711 Drywood Ave., Fern Park, Florida 32730.

EDGAR F. VETTER of Operations, Pl. 9, died Oct. 24 at the age of 61. He had been with the company since 1962 and resided at 53 Danbury St., Bayshore.

THEODORE A. BELLFIELD of Propulsion Test, Pl. 2, died Oct. 26 at the age of 61. He had been with the company since 1952 and resided at 60 Shiphead Ave., Lynbrook.



Grumman loves Long Island. *The company placed this ad in* Newsday *to thank its neighbors for their support during the LTV takeover attempt.*

E-2 gets hawkeye view of Shuttle

Hawkeye contact. *When the Space Shuttle blasted off on Thursday, November 12, the Navy/Grumman E-2C patrolled the launch area and directed sea craft to pick up the reusable rocket boosters.*

"T minus 34...33...32...31." With just 31 seconds until blastoff, the Space Shuttle *Columbia's* second trip to space was postponed on November 6. It was the second delay in as many shuttle launches.

But, while balky computers, contaminated oil and other problems have delayed flights, what didn't keep the shuttle from flying were stray aircraft or ships wandering into the launch area. Not with the U.S. Navy's two Hawkeyes from VAW-125 on station.

NASA used the Grumman-built E-2C airborne early warning aircraft to patrol the launch area and direct sea craft to pick up the reusable solid rocket boosters.

'Made-to-order job'

"It was a made-to-order job for the Hawkeye," says Bob Walsh who, along with Grumman's Al Kirmes, headed the Grumman team in Florida. Walsh, the Grumman site manager at the Norfolk Naval Air Station, and Kirmes, Norfolk's E-2C coordinator, headed a team of 10 Grummanites. Their job went beyond being the resident E-2C experts. "The Grumman guys maintained the aircraft for this project," says Walsh. Their Hawkeyes made quite an impression.

"We got a call from NASA saying how pleased they were," says Cmdr. Lou Foltzer, the skipper of VAW-125. "They really like the E-2C and will now formally ask that they be used for all future launches.

"Everybody at NASA wanted to know why the E-2Cs weren't here for the first launch."

The two Hawkeyes were, like everyone else, up early for the second shuttle launch on November 12. The first Hawkeye took to the air at 5:30 a.m.; the second was flying about an hour later. "We stagger the takeoffs to guarantee coverage in case there's a delay and the planes have to be refueled," says Kirmes.

Before launch, the Hawkeyes used their sophisticated radar to monitor all air and surface traffic. Anything that ventured within five miles of the shuttle's flight path would force the Range Control Officer to stop the countdown. (Beyond that border, however, there were many vehicles involved in the entire launch process: some 22 helicopters and fixed wing aircraft alone.)

The Hawkeyes, getting no closer than 40 miles from the flight path of the shuttle, took their positions at about 14,000 feet. As the shuttle lifted off they climbed to 24,000 feet.

Two minutes after the launch the shuttle dropped its two reusable solid rocket boosters. As the parachutes opened and brought the boosters gently down to sea, the Hawkeyes marked their location and guided the recovery ships to them.

According to Foltzer, the two planes headed home 30 minutes after launch.

The mission was an unusual one but, says Foltzer, "It was not especially difficult.

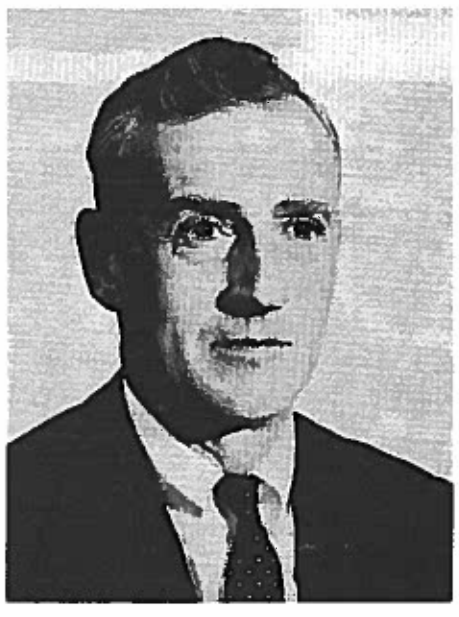
"During the first launch attempt the weather was really terrible," Foltzer recalls. It became worse, proving the Hawkeyes were good forecasters. "There were areas where we were getting some sort of return on the radar screens," he says. "That usually indicates a lot of moisture."

Downpours hit the Cape Canaveral area after that launch was postponed. It was all just a day's work for the Hawkeyes.

The VAW-125 crews spent five hours in the air. "They loved every minute of it," says Foltzer. "When you know the significance of what you're doing, it's a lot of fun. The guys took a lot of pride in what they did.

"And they got to see their aircraft on national news broadcasts."

Dunbar dies at age 68



Charles Dunbar

Charles "Chick" Dunbar, a member of Grumman's board of directors since 1972, died Friday, November 13, at the age of 68.

Dunbar graduated from Yale University in 1935. He worked at the American Chicle Company from 1935-36 and then was employed with Robinson, Miller & Co. for the next two years.

In 1938, he joined the Discount Corporation of New York, a firm which deals in U.S. Government and Federal Agency securities. When Dunbar retired from the Discount Corporation in 1977, he was chairman of the board. He continued as a board director until his death.

Dunbar also served as a director of Tri-Continental Corporation and as a trustee of the East River Savings Bank.

Personals

We wish to express our sincere appreciation for the many expressions of sympathy extended by my friends and co-workers during the recent loss of my brother. **Anthony Zoccoli and Family**

I would like to thank all my friends and fellow employees for their thoughtfulness and concern during the recent loss of my brother. **Vic Belmont**

I would like to sincerely thank all of my friends and associates for their kind expression of sympathy during the recent loss of my aunt. **Robert L. Baum**

Sincerest thanks to all my co-workers for the many expressions of sympathy offered to my family during the recent passing of my father. **Ed Waters**

I would like to sincerely thank all of my friends for their kind expression of sympathy during the recent loss of my husband, Michael. **Ann J. Shawiak**

Super weekend lures hundreds to Stuart Ops.

While thousands of beer lovers flock to Germany for Oktoberfest, just as many Grummanites are lured to Stuart, Florida, for the annual Super Stuart weekend every October.

It's a weekend that tires even the most energetic Grummanite. On Friday, October 23, over 300 Grumman retirees and their spouses feasted at the 13th Annual Retiree Dinner. Understandably, the main topic of conversation was the LTV takeover attempt.

Clint Towl, director emeritus of Grumman and a company founder, cautioned his fellow retirees "not to be taken in. Hang onto your Grumman stock...Don't be complacent — we need every one of you. Grumman is growing stronger and stronger every year — that's why they are after us."

George Skurla told the attendees that "Grumman Aerospace is indeed on the move. It has an outstanding future ahead of it. This decade will be a big one for Aerospace."

Skurla went on to thank the Grummanites for their support. "The backing from both active and retired Grummanites and friends throughout the country has been unbelievable."

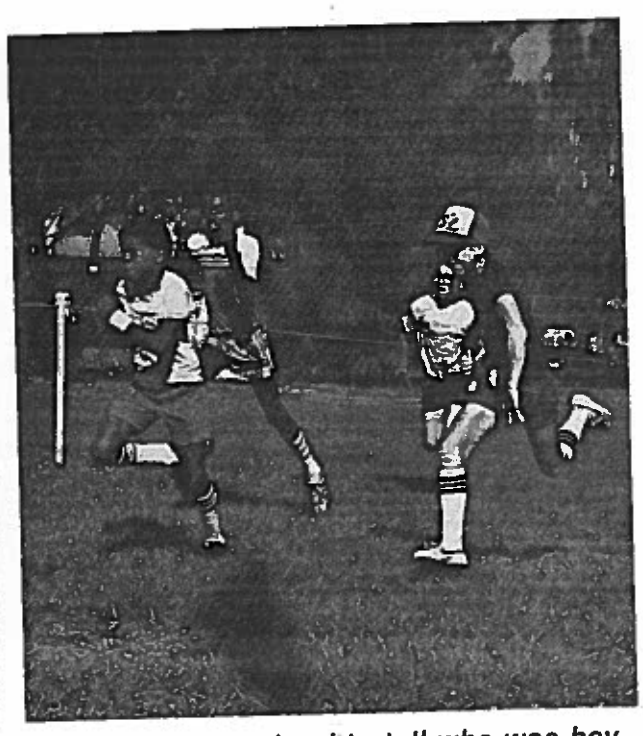
On the following day the festivities moved to the Stuart Operations picnic grounds. There was plenty of food and drink for the hundreds and hundreds of Grummanites and their family members. A carnival, complete with games and loads of prizes, kept many a youngster — and young-at-heart — busy throughout the day.

Music and entertainment continued from morning to dusk. Relay games tested the athletic skills of old and young Grummanites, while heated games of softball were played before scores of fans. (The Boeing 767 team proved they had plenty of "heart" and won the bragging rights.)

It was early to bed for many picnickers, for Sunday offered another opportunity to spend time with the Grumman family. Vice President Ed Dalva, general manager of Stuart Operations, had arranged for an open house — for all Grummanites, their friends and their neighbors. Over 8,000 Grumman supporters toured the ever-expanding Stuart complex.

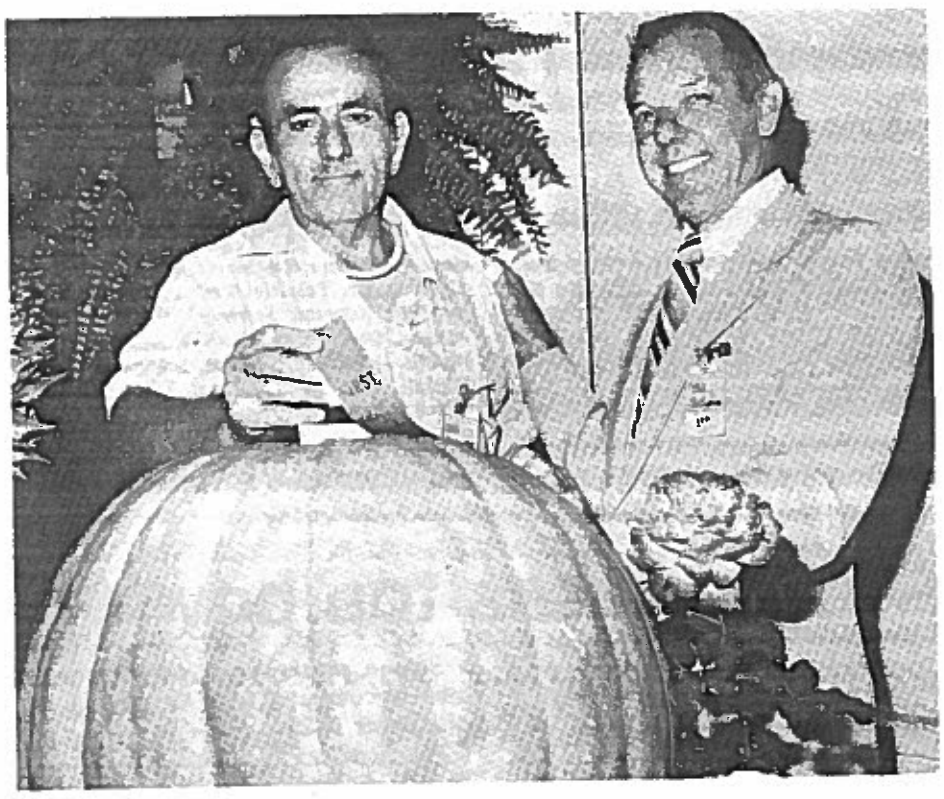
The top attraction was the F-14 Tomcat and the A-6 Intruder, along with the OV-1 Mohawk. The open house was a big hit in the Stuart community. The next day the "I Love Grumman" bumper stickers could be seen on a lot of cars in the local fastfood parking lots.

***Crowd pleaser.** At the October 25 Open House at Stuart Operations in Florida, over 8,000 people toured the facility and got a close view of the F-14 Tomcat, along with other Grumman aircraft.*



***Kid power.** It was hard to tell who was having more fun, the youngsters or the young at heart, at the Stuart picnic.*

***Friendship.** Grumman Retiree Club chapter presidents take a bow at the reunion dinner (above), while (at left) the Boeing 767 team celebrates its softball victory.*



***Pie, anyone?** Ed Kruse, assistant treasurer, congratulates grand prize winner Ray Amendola (L).*

Great pumpkin squashes garden show competition

Look out Great Pumpkin — Grummanite Ray Amendola is offering some tough competition this year. Ray, a leadman in Plant 2's drop hammer department, took top honors at the Grumman Garden Forum's Fall Show. His entry — a 122 pound Big Max pumpkin — drew praise from the judges and admiring gasps from fellow competitors and spectators.

Plenty of pie

The pumpkin, which measures 40 inches in diameter, took 5 1/2 months to grow.

Ray is proud of his achievement, but hopes to grow an even bigger pumpkin next year. "Some of these babies grow to 300 pounds or more," says Ray.

Right now, Ray isn't exactly sure what to do with this year's winner. "It's sitting in the back of my pick-up truck," he says. Pie, anyone?

More winners

Other top division winners, in order of their placement are:

Dahlia (Single bloom) — Karl Hagen, Esther Kargauer, Amy Blackwell, Joan Mc Guckin;

Seasonal Assortment — Bob Reed, Lillian Fink, Esther Kargauer, Dot Kappenberg;

Seasonal Material — Judy Cote, Frank Sadowski, Amy Blackwell, Mike Gabriel;

Novice (Dahlia or Seasonal Material) — Robert Cagna, Amy Blackwell, Marilyn Duffy;

Arrangement — Amy Blackwell, Catherine Struble, Karl Hagen, Dot Kappenberg;

Fruits — Charles Chlanda III, Suey Jue;

Vegetables — (1 pumpkin, 1 squash, 1 eggplant, etc) — Ray Amendola, Suey Jue, Pete Mirabella, John Gatti;

Vegetables (10 string beans, 10 lima beans, 5 carrots, etc) — Charles Hanft, Tom Trifaro, Frank Sadowski, Dave Kleinman;

Houseplants — Tom Cassino, Judy Cote, Tom Cummiskey, Jo Monza;

Houseplants (hanging baskets) — Margaret Mezzacapo.

Islanders vs. Winnipeg tix

Discount tickets — $12 seats for $11 — are now on sale at the Recreation office in Plant 28A for the Islanders vs. Winnipeg game on December 22.

Anyone purchasing tickets for this hockey game will have first chance at buying tickets for the Islanders vs. Rangers game in January 1982. All you have to do is notify the Recreation staff when you purchase your Winnipeg tickets and they will hold the Ranger tickets for you. This offer is on the one-for-one basis. For example, if you purchase three tickets for the Winnipeg game, you may buy three tickets for the Rangers game.

scorecard

Handball enthusiasts

To a group of Grummanites, handball is a sport that can be played all year round — outside. This spartan group is always looking for new players. They play at the Seamans Neck Park in Seaford under the lights at 5:30 p.m. every Monday and Thursday.

If you'd like to join the group, call Louis Luca, Ext. 2089.

Mardi Gras trip

Grumman Recreation is once again sponsoring a bus trip to New Orleans during Mardi Gras. The trip begins February 18 and ends February 28.

The package includes transportation, 10 nights accommodations, six dinners, tours of Atlanta and New Orleans and other sites. The trip costs $560 per person (double occupancy, $520 (triple) and $748 (single).

If you wish to sign up for this Mardi Gras vacation, you must attend a special meeting on Tuesday, December 1, at 5:30 p.m. in Plant 28A. A $100 deposit is required at that time. For more information, call Recreation, Ext. 2133.

Ski bums unite

Been daydreaming about skiing down the first new powder of the season? Stop daydreaming and start getting your gear ready. Recreation has a ski trip for the January 22-24 weekend just right for you.

You'll stay at the Holiday Inn in Lenox, Massachusetts (when you're not skiing down Bousquet, Brodie or Jiminy Peak), for two nights. Included in the package price of $129.75 per person, (double occupancy), are breakfast and dinner both Saturday and Sunday, snacks and beverages when you arrive on Friday, a Benedictine mixer party, ski instruction for beginners, equipment rental and more. Deduct $10 if you bring your own equipment.

For more information and to make reservations contact the Recreation Department, Plant 28A, Ext. 2133.

Holy strokes!

They were once thought rare, but the number of Grummanites who have bagged that rarest golf bird of all, the hole-in-one, has been unusually high this year. In fact, another four have been reported by Grummanites on Long Island.

Frank Maslak was playing the extremely difficult Black course at Bethpage State Park during Bearcat league competition. He holed his tee shot on the 130-yard third hole.

Plant 3's Al Jalbert had to wait till his round of golf was nearly over before he had the same reason to celebrate. But, on the sixteenth hole at the Hauppauge, Long Island, Country Club, his first swing put the ball in the cup, 194 yards away.

John Rinde, a competitor in the Great River Worm Burners league, needed an eight to get his one; an eight-iron that is. He hit his hole-in-one on the 135-yard second hole at Bellport Country Club.

Dix Hills Park Golf course was the site of Ernie Pennino's super shot. Pennino, who works at Plant 6 in Calverton, got his hole-in-one on the 160-yard sixth hole.

Bound for China

Grumman Recreation is sponsoring a trip to China, April 23 to May 9, 1982.

The prices range from $2,998 to $3,075 per person (depending on group size). Signup for this trip takes place December 15 in the Plant 28A auditorium at 5:30 p.m. A check for $400 is required at that time for each person.

A complete listing of what is included in this vacation package is available from Recreation, Ext. 2133.

Volleyball competition

Every Monday evening at 5:30, Grumman men and women gather at Bethpage's Pine Avenue School to play volleyball. If you'd like to join this energetic group, give John Woods, Ext. 115-3610 or Richard Sailor, Ext 2797 a call. The weekly session lasts from 5:30 to 8:30 p.m.

Soccer varsity moves indoors

Here's something you should kick about: a chance to become part of the winning Grumman indoor soccer team. Although the season just began, the team is still looking for additional players. Assistant coach Joe Richmond says they'll welcome any newcomers at their regular Thursday night practices, held in the gymnasium of the Campagne School in Bethpage. You don't need any indoor soccer experience to try out.

The varsity squad is defending its championship title in the L.I. Industrial Indoor Soccer League.

Here's one bird that's carved to perfection

Bub Haine's goose cannot honk, or lay golden eggs, but that doesn't stop it from drawing attention to itself.

Bub Haines's goose does one thing: win ribbons. It beat Dolores Konchalski's entry, a hooked rug, to win the Best-of-Show ribbon in the 1981 Grumman Hobby Show.

The show, held on the weekend of October 9-11, drew 135 entrants. Prizes were awarded in 20 categories, from ceramics to woodworking. Bill Steenson, president of Paumanock Development Corporation, a Grumman Corporation subsidiary, handed out the ribbons and prizes to the winners on the first day of the show.

Haines, a quality engineer in Plant 10, modelled his half-scale Canada goose after one of the geese that make their home across the street from Plant 14. He used basswood. "It's an easy wood to work, because it has almost no grain," he says.

The detail is so fine that a viewer has to get very close to see that it has no feathers; the finely carved lines just make it seem so. Not bad for a newcomer to woodcarving.

"My wife gave me a book on the subject two years ago," says Haines. I don't know how happy she's been about that though, because now I spend lots of hours in my basement."

Wood was a favorite medium for many of the show's entrants. David Rappaport's carved maple leaf looked as fragile as if it had just fallen from a tree.

On a different scale was Henry Buthmann's built-from-scratch grandfather clock. "A friend and I cut a tree down and took the wood to a mill in Commack (L.I.) They milled it up into one inch and two inch planks," says Buthmann, who had built other pieces of furniture. "But I never tried anything like this before."

"A couple of times I got a little impatient and had to put it down for a while." It took Buthmann more than two years to complete his project.

Didn't lay an egg. *It took months of work, but the hand carved half-scale Canada goose was worth the effort Bud Haines (C) put into it. He was given the prize for the Best-of-Show entry by Bill Steenson (L) and Chet Baumgartner, who heads up Grumman Recreation.*

The winners (listed from first prize on) were:

Ceramics: Theresa Crammer, Catherine Stuble; **Collections — Coin, Stamp & Misc.:** Arthur Haupt, Will Petit; **Crocheting:** Dorothy Buck, Patricia Ogilvie, Josephine Gorlesly; **Embroidery/Crewel:** Joni Kay Whipple, Lenore Weinstein, Gertrude Haugwitz; **General:** Eleanor Scott, Barbie Linn, Ron Senger; **Knitting:** Rhoda Fruchter, Dorothy Buck, Marion Pancari; **Hooked Rugs:** Dolores Konchalski, Ann Strada, Catherine Struble; **Metalwork:** Robert Grinsell, William Schick; **Models — Misc.:** John Buzzerio, George Zajac; **Model Planes — Flying Scale:** no winners; **Model Planes — Flying, non-Scale:** Henry Farrar, Don Blossom; **Model Planes — non-Flying, Scale:** William Barto; **Model Railroads — Rolling Stock:** Edward Miller, Bruce Borgeson, Ray Muntz; **Model Railroads — Roadside Scenery:** Ray Muntz, Kenneth Hansen; **Needlepoint:** Patricia Ogilvie, Ann Strada, Dorothy Scherer; **Sewing/Quilting:** Vivian Mobilio, Janice Nesta, Gertrude Haugwitz; **Ship Models — Kits:** Alfred Kuhn, Jeff Quarles; **Ship Models — Original Design:** Edward Miller; **Wood Carving:** Bud Haines, David Rappaport, William Kraynak; **Woodworking:** Henry Buthmann, Gerald Halpern, Andrew Pfortsch; **Special Retiree Award:** Irene Mosca.

Varsity seeks top bowlers

Trials for the men's and women's varsity bowling teams get underway early next year. All bowlers vying for a slot on the varsity squads must fill in the entry form on this page and mail it to Recreation.

To be eligible, a contestant must be a full-time, Grumman employee. Here are the rules for both the men's and women's tryouts:

A man's bowling average must be a minimum of 175 for at least 24 games in an ABC league. A woman's average must be 125 or over in a league sanctioned by the WIBC.

Season averages for roll-off entry must be computed as of this past week, November 16-20.

Applications should be filled out completely and mailed to Recreation, A01-28A by Friday, December 18.

Roll-off action for the men will begin on Saturday, January 9 and continue each Saturday through February 6 at the Mid Isle Lanes in Hempstead at 5 p.m. The men will bowl a total of 27 games.

At the Syosset Lanes, candidates for the women's varsity will roll a total of 12 games, four each night on January 30, February 6 and 13.

Varsity Bowling Trials Entry Form

Name .....

Perm. No. ..... Mail Stop. ..... Ext. .....

Qualifying Averages

Men (175) Average	League	Woman (125) Lanes
.....		
.....		

Mail to: Recreation Dept., A01-28A

GRUMMAN plane news

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